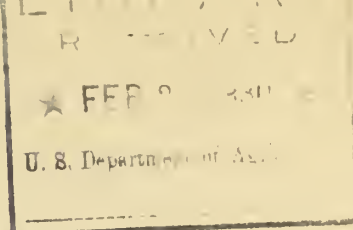


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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Washington



F.S.
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LIVERPOOL AUCTION PRICES ON AMERICAN APPLES REDUCED
TO F.O.B. SHIPPING POINT VALUES

The following statement showing the principal costs involved in placing American apples on the Liverpool auction and the approximate f.o.b. shipping point values on the basis of auction prices may be useful in connection with reports on the Liverpool apple auction issued weekly during the apple export season by the Foreign Service of the Bureau of Agricultural Economics. The figures used have been recently revised from calculations made by Mr. Edwin Smith, formerly fruit specialist of the United States Department of Agriculture in London.

The charges incurred in moving boxed apples from shipping point (Wenatchee) in the Pacific Northwest to Liverpool, England, work out at approximately \$1.12 per box when the fruit moves via the Panama Canal. When the overland route to New York is used the charges total about \$1.23 per box without ocean refrigeration and \$1.23 with such refrigeration. The charges involved in shipping eastern barreled apples to Liverpool from Winchester, Virginia, total about \$2.22 per barrel with ocean refrigeration and \$1.47 without and from Rochester, New York, \$2.10 with ocean refrigeration and \$1.39 without. The items included in these charges are inland and ocean freight, refrigeration (when used), port dues, strapping and marking (for boxed apples), insurance, and cables. A few minor charges which do not occur regularly have been omitted. For example, most exporters use a forwarding agent in New York whose charges range from \$3.25 to \$5.00 per car on boxed apples and \$3.25 per car on barrels. A marking charge of 3 cents on barreled apples is sometimes incurred in New York which, also has been omitted from the foregoing totals. The following table shows the principal costs involved in moving apples from certain producing districts in the United States to Liverpool, England.

a/ To be substituted for F.S. dated February 7 in which an error was made in the ocean refrigeration charge on boxed apples shipped from New York.

Charges involved in shipping American apples from producing
district to Liverpool, England.

| Item | Boxed apples from: Wenatchee Wash. | | Barreled apples from: Winchester, Va. | | Barreled apples from: Rochester, N Y | |
|-----------------------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------|-------|
| | Via New York | | Via Panama | | Without | |
| | Via New York | | Via Panama | | With | |
| | City | | Canal | | refrigera- | |
| | Dollars per box | | | | Dollars per barrel | |
| Inland freight | .743 | .143 | .544 | .794 | .456 | .666 |
| Refrigeration | | | | | | |
| Overland | .126 | - | - | - | - | - |
| Port dues | - | .025 | - | - | - | - |
| Strapping and marking | .045 | .035 | - | - | - | - |
| Insurance cables | .020 | .020 | .030 | .030 | .030 | .030 |
| Ocean freight | | | | | | |
| With refig. | .500 | .900 | - | 1.400 | - | 1.400 |
| Without refig. | .300 | - | .300 | - | .900 | - |
| Total charges | | | | | | |
| Without refig. | 1.234 | | 1.474 | | 1.386 | |
| With refig. | 1.431 | 1.123 | | 2.224 | | 2.096 |

Note: During the early fall months and, frequently, during and after February Virginia barreled apples (principally best Yorks and Albermarle Pippins) are shipped in iced cars and refrigerated storage. Boxed apples move from Wenatchee to New York under refrigeration during most of the season but heater service costing approximately \$.045 per box is used during the coldest periods.

The expenses incurred after the fruit reaches Liverpool include handling charges and commission. The consolidated handling charges from ship to auction room average about 34.4 cents per barrel and 22.3 cents per box. The commission charged by overseas agents ranges from 3 per cent for spot sales to 7 per cent. A rate of 6 per cent is probably most representative and has been used in arriving at the net Liverpool price.

The following tables show the approximate f.o.b. shipping point prices on American apples for the usual range of Liverpool auction prices. The f.o.b. prices are arrived at by deducting the above mentioned costs from the Liverpool auction prices.

AMERICAN BARRELED APPLES: Liverpool auction prices and
calculated f.o.b. shipping point values

| Liverpool auction | | Without refrigeration 1/ | | With refrigeration 2/ | |
|-------------------|-------------------|-----------------------------|----------------------|--------------------------|----------------------|
| | | Winchester | Rochester | Winchester | Rochester |
| Gross price | Net price | F.o.b. | F.o.b. | F.o.b. | F.o.b. |
| | less charges | price less | price less | price less | price less |
| | and commission | all frt. ins.etc. | all frt. ins.etc. | all frt. ins.etc. | all frt. ins.etc. |
| Shillings | Dollars | Dollars | Dollars | Dollars | Dollars |
| 8/0 | 1.35 | 1.49 | .02 | .10 | --- |
| 8/6 | 2.07 | 1.60 | .13 | .21 | --- |
| 9/0 | 2.19 | 1.71 | .24 | .32 | --- |
| 9/6 | 2.31 | 1.83 | .36 | .44 | --- |
| 10/0 | 2.43 | 1.94 | .47 | .55 | --- |
| 10/6 | 2.55 | 2.06 | .59 | .67 | --- |
| 11/0 | 2.68 | 2.17 | .70 | .78 | --- |
| 11/6 | 2.80 | 2.29 | .82 | .90 | .6 |
| 12/0 | 2.92 | 2.40 | .93 | 1.01 | .18 |
| 12/6 | 3.04 | 2.51 | 1.04 | 1.12 | .29 |
| 13/0 | 3.16 | 2.63 | 1.16 | 1.24 | .41 |
| 13/6 | 3.28 | 2.74 | 1.27 | 1.35 | .52 |
| 14/0 | 3.41 | 2.85 | 1.38 | 1.46 | .63 |
| 14/6 | 3.53 | 2.97 | 1.50 | 1.58 | .75 |
| 15/0 | 3.65 | 3.09 | 1.62 | 1.70 | .87 |
| 15/6 | 3.77 | 3.20 | 1.73 | 1.81 | .98 |
| 16/0 | 3.89 | 3.32 | 1.85 | 1.93 | 1.10 |
| 16/6 | 4.01 | 3.43 | 1.96 | 2.04 | 1.21 |
| 17/0 | 4.14 | 3.55 | 2.08 | 2.16 | 1.33 |
| 17/6 | 4.26 | 3.66 | 2.19 | 2.27 | 1.44 |
| 18/0 | 4.38 | 3.77 | 2.30 | 2.38 | 1.55 |
| 18/6 | 4.50 | 3.89 | 2.42 | 2.50 | 1.67 |
| 19/0 | 4.62 | 4.00 | 2.53 | 2.61 | 1.78 |
| 19/6 | 4.74 | 4.12 | 2.65 | 2.73 | 1.90 |
| 20/0 | 4.87 | 4.23 | 2.76 | 2.84 | 2.01 |
| 20/6 | 4.99 | 4.34 | 2.87 | 2.95 | 2.12 |
| 21/0 | 5.11 | 4.46 | 2.99 | 3.07 | 2.24 |
| 21/6 | 5.23 | 4.57 | 3.10 | 3.18 | 2.35 |
| 22/0 | 5.35 | 4.69 | 3.22 | 3.30 | 2.47 |
| 22/6 | 5.47 | 4.80 | 3.33 | 3.41 | 2.58 |
| 23/0 | 5.60 | 4.92 | 3.45 | 3.53 | 2.70 |
| 23/6 | 5.72 | 5.03 | 3.56 | 3.64 | 2.81 |
| 24/0 | 5.84 | 5.15 | 3.68 | 3.76 | 2.93 |
| 24/6 | 5.96 | 5.26 | 3.79 | 3.87 | 3.04 |
| 25/0 | 6.08 | 5.37 | 3.90 | 3.98 | 3.15 |
| 25/6 | 6.20 | 5.49 | 4.02 | 4.10 | 3.27 |
| 26/0 | 6.33 | 5.60 | 4.13 | 4.21 | 3.38 |
| 26/6 | 6.45 | 5.72 | 4.25 | 4.32 | 3.50 |
| 27/0 | 6.57 | 5.83 | 4.36 | 4.44 | 3.61 |
| 27/6 | 6.69 | 5.95 | 4.48 | 4.56 | 3.73 |
| 28/0 | 6.81 | 6.06 | 4.59 | 4.67 | 3.84 |
| 28/6 | 6.93 | 6.18 | 4.71 | 4.79 | 3.96 |

Continued

AMERICAN BARRELED APPLES: Liverpool auction prices and
calculated f.o.b. shipping point values, continued

| Liverpool auction | | Without refrigeration 1/ | | With refrigeration 2/ | | Winchester: Rochester | |
|-------------------|-----------|-----------------------------|-------------|--------------------------|-------------|-----------------------|-------------|
| | | Winchester | | Rochester | | Winchester | |
| Gross price | | Net price | F.o.b. | F.o.b. | F.o.b. | F.o.b. | F.o.b. |
| | | less charges: | price less: | price less: | price less: | price less: | price less: |
| | | and | all frt. | all frt. | all frt. | all frt. | all frt. |
| | | commission | ins.etc. | ins.etc. | ins.etc. | ins.etc. | ins.etc. |
| Shillings: | Dollars: | Dollars | Dollars | Dollars | Dollars | Dollars | Dollars |
| 29/0 | : 7.06 : | 6.29 | : 4.82 : | 4.90 | : 4.07 : | 4.19 | |
| 29/6 | : 7.18 : | 6.40 | : 4.93 : | 5.01 | : 4.18 : | 4.30 | |
| 30/0 | : 7.30 : | 6.52 | : 5.05 : | 5.13 | : 4.30 : | 4.42 | |
| 30/6 | : 7.42 : | 6.63 | : 5.16 : | 5.24 | : 4.41 : | 4.53 | |
| 31/0 | : 7.54 : | 6.75 | : 5.28 : | 5.36 | : 4.53 : | 4.65 | |
| 31/6 | : 7.66 : | 6.86 | : 5.39 : | 5.47 | : 4.64 : | 4.76 | |
| 32/0 | : 7.79 : | 6.98 | : 5.51 : | 5.59 | : 4.76 : | 4.88 | |
| 32/6 | : 7.91 : | 7.09 | : 5.62 : | 5.70 | : 4.87 : | 4.99 | |
| 33/0 | : 8.03 : | 7.20 | : 5.73 : | 5.81 | : 4.98 : | 5.10 | |
| 33/6 | : 8.15 : | 7.32 | : 5.85 : | 5.93 | : 5.10 : | 5.22 | |
| 34/0 | : 8.27 : | 7.43 | : 5.96 : | 6.04 | : 5.21 : | 5.33 | |
| 34/6 | : 8.39 : | 7.55 | : 6.08 : | 6.16 | : 5.33 : | 5.45 | |
| 35/0 | : 8.52 : | 7.66 | : 6.19 : | 6.27 | : 5.44 : | 5.56 | |
| 35/6 | : 8.64 : | 7.78 | : 6.31 : | 6.39 | : 5.56 : | 5.68 | |
| 36/0 | : 8.76 : | 7.89 | : 6.42 : | 6.50 | : 5.67 : | 5.79 | |
| 36/6 | : 8.88 : | 8.01 | : 6.54 : | 6.62 | : 5.79 : | 5.91 | |
| 37/0 | : 9.00 : | 8.12 | : 6.65 : | 6.73 | : 5.90 : | 6.02 | |
| 37/6 | : 9.12 : | 8.23 | : 6.76 : | 6.84 | : 6.01 : | 6.13 | |
| 38/0 | : 9.25 : | 8.35 | : 6.88 : | 6.96 | : 6.13 : | 6.25 | |
| 38/6 | : 9.37 : | 8.46 | : 6.99 : | 7.07 | : 6.24 : | 6.36 | |
| 39/0 | : 9.49 : | 8.58 | : 7.11 : | 7.19 | : 6.36 : | 6.48 | |
| 39/6 | : 9.61 : | 8.69 | : 7.22 : | 7.30 | : 6.47 : | 6.59 | |
| 40/0 | : 9.73 : | 8.81 | : 7.34 : | 7.42 | : 6.59 : | 6.71 | |
| 40/6 | : 9.85 : | 8.92 | : 7.45 : | 7.53 | : 6.70 : | 6.82 | |
| 41/0 | : 9.98 : | 9.03 | : 7.56 : | 7.64 | : 6.81 : | 6.93 | |
| 41/6 | : 10.10 : | 9.15 | : 7.68 : | 7.76 | : 6.93 : | 7.05 | |
| 42/0 | : 10.22 : | 9.26 | : 7.79 : | 7.87 | : 7.04 : | 7.16 | |
| 42/6 | : 10.34 : | 9.38 | : 7.91 : | 7.99 | : 7.16 : | 7.28 | |
| 43/0 | : 10.47 : | 9.49 | : 8.02 : | 8.10 | : 7.27 : | 7.39 | |
| 43/6 | : 10.59 : | 9.61 | : 8.14 : | 8.22 | : 7.39 : | 7.51 | |
| 44/0 | : 10.71 : | 9.72 | : 8.25 : | 8.33 | : 7.50 : | 7.62 | |
| 44/6 | : 10.83 : | 9.84 | : 8.37 : | 8.45 | : 7.62 : | 7.74 | |
| 45/0 | : 10.95 : | 9.95 | : 8.48 : | 8.56 | : 7.73 : | 7.85 | |
| 45/6 | : 11.07 : | 10.06 | : 8.59 : | 8.67 | : 7.84 : | 7.96 | |
| 46/0 | : 11.20 : | 10.18 | : 8.71 : | 8.79 | : 7.96 : | 8.08 | |
| 46/6 | : 11.32 : | 10.29 | : 8.82 : | 8.90 | : 8.07 : | 8.19 | |
| 47/0 | : 11.44 : | 10.41 | : 8.94 : | 9.02 | : 8.19 : | 8.31 | |
| 47/6 | : 11.56 : | 10.52 | : 9.05 : | 9.13 | : 8.30 : | 8.42 | |
| 48/0 | : 11.68 : | 10.64 | : 9.17 : | 9.25 | : 8.42 : | 8.54 | |
| 48/6 | : 11.80 : | 10.75 | : 9.28 : | 9.36 | : 8.53 : | 8.65 | |
| 49/0 | : 11.93 : | 10.87 | : 9.40 : | 9.48 | : 8.65 : | 8.77 | |
| 49/6 | : 12.05 : | 10.98 | : 9.51 : | 9.59 | : 8.76 : | 8.88 | |
| 50/0 | : 12.17 : | 11.09 | : 9.62 : | 9.70 | : 8.87 : | 8.99 | |

1/ Does not include car or boat refrigeration or heater cars.

2/ Including ocean and car refrigeration.

AMERICAN BOXED APPLES: Liverpool auction prices and
calculated f.o.b. shipping point values

| Liverpool auction | | | Wenatchee | | | |
|-------------------|----------------|---------|---------------------|---------------------|------------------|---------|
| Gross price | : Net price | | Via New York | Via New York | Via Panama Canal | |
| | : less charges | | without | with | : with ocean | |
| | : and | | ocean refrigeration | ocean refrigeration | : refrigeration | |
| | : commission: | | eration | eration | : | |
| Shillings | Dollars | Dollars | Dollars | Dollars | Dollars | Dollars |
| 8/0 | : 1.95 | : 1.61 | : .38 | : .18 | : .49 | |
| 8/6 | : 2.07 | : 1.72 | : .49 | : .29 | : .60 | |
| 9/0 | : 2.19 | : 1.83 | : .60 | : .40 | : .71 | |
| 9/6 | : 2.31 | : 1.95 | : .72 | : .52 | : .83 | |
| 10/0 | : 2.43 | : 2.06 | : .83 | : .63 | : .94 | |
| 10/6 | : 2.55 | : 2.18 | : .95 | : .75 | : 1.06 | |
| 11/0 | : 2.68 | : 2.29 | : 1.06 | : .86 | : 1.17 | |
| 11/6 | : 2.80 | : 2.40 | : 1.17 | : .97 | : 1.28 | |
| 12/0 | : 2.92 | : 2.52 | : 1.29 | : 1.09 | : 1.40 | |
| 12/6 | : 3.04 | : 2.64 | : 1.41 | : 1.21 | : 1.52 | |
| 13/0 | : 3.16 | : 2.75 | : 1.52 | : 1.32 | : 1.63 | |
| 13/6 | : 3.28 | : 2.86 | : 1.63 | : 1.43 | : 1.74 | |
| 14/0 | : 3.41 | : 2.98 | : 1.75 | : 1.55 | : 1.86 | |
| 14/6 | : 3.53 | : 3.09 | : 1.86 | : 1.66 | : 1.97 | |
| 15/0 | : 3.65 | : 3.21 | : 1.98 | : 1.78 | : 2.09 | |
| 15/6 | : 3.77 | : 3.32 | : 2.09 | : 1.89 | : 2.20 | |
| 16/0 | : 3.89 | : 3.44 | : 2.21 | : 2.01 | : 2.32 | |
| 16/6 | : 4.01 | : 3.55 | : 2.32 | : 2.12 | : 2.43 | |
| 17/0 | : 4.14 | : 3.67 | : 2.44 | : 2.24 | : 2.55 | |
| 17/6 | : 4.26 | : 3.78 | : 2.55 | : 2.35 | : 2.66 | |
| 18/0 | : 4.38 | : 3.89 | : 2.66 | : 2.46 | : 2.77 | |
| 18/6 | : 4.50 | : 4.01 | : 2.78 | : 2.58 | : 2.89 | |
| 19/0 | : 4.62 | : 4.12 | : 2.89 | : 2.69 | : 3.00 | |
| 19/6 | : 4.74 | : 4.24 | : 3.01 | : 2.81 | : 3.12 | |
| 20/0 | : 4.87 | : 4.35 | : 3.12 | : 2.92 | : 3.23 | |
| 20/6 | : 4.99 | : 4.47 | : 3.24 | : 3.04 | : 3.35 | |
| 21/0 | : 5.11 | : 4.58 | : 3.35 | : 3.15 | : 3.46 | |
| 21/6 | : 5.23 | : 4.69 | : 3.46 | : 3.26 | : 3.57 | |
| 22/0 | : 5.35 | : 4.81 | : 3.58 | : 3.38 | : 3.69 | |
| 22/6 | : 5.47 | : 4.92 | : 3.69 | : 3.49 | : 3.80 | |
| 23/0 | : 5.60 | : 5.04 | : 3.81 | : 3.61 | : 3.92 | |
| 23/6 | : 5.72 | : 5.15 | : 3.92 | : 3.72 | : 4.03 | |
| 24/0 | : 5.84 | : 5.27 | : 4.04 | : 3.84 | : 4.15 | |
| 24/6 | : 5.96 | : 5.38 | : 4.15 | : 3.95 | : 4.26 | |
| 25/0 | : 6.08 | : 5.50 | : 4.27 | : 4.07 | : 4.38 | |

